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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,349	09/11/2003	Yasuyuki Nomizu	242683US2	7090

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OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
1940 DUKE STREET
ALEXANDRIA, VA 22314

EXAMINER

KASSA, YOSEF

ART UNIT	PAPER NUMBER
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2624

SHORTENED STATUTORY PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE
3 MONTHS	04/19/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 04/19/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/659,349

Applicant(s)

NOMIZU ET AL.

Examiner

YOSEF KASSA

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,6-8,10-14 and 18-20 is/are rejected.
- 7) ☒ Claim(s) 3-5,9,15-17 and 21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>02/04 7 01/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 6, 7, 8, 10-14 are 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jinnai (U.S. Patent 5,982,502), and further in view of Chen et al (U.S. Patent 6,570,510).

With regard to claim 1, Jinnai discloses a search part searching coded data of the source image per predetermined independently processable block for an objective block corresponding to the designated synthesis area (please refer to col. 5, lines 10-12 and col. 7, lines 15-19); and

an objective block synthesis part synthesizing detected coded data of the objective block of the source image and coded data of the objective block of the target image (refer Fig. 4, E1 code data and E2 object added (synthesize) to the sheet of paper).

Jinnai does not disclose expressly for coded data are encoded in accordance with a JPEG 2000 standard. However, at the same field of endeavor, Chen discloses this feature (please refer to col. 4, lines 58-63). At the time of the invention, it would have

been obvious to a person of ordinary skill in the art to incorporate Chen teaching, image data encoding system into Jinna image processing system. The suggestion/motivation for doing so would have been to provide lossless compressed representation of the block of transform coefficients for the purposed of reducing storage (please refer to col.1, lines 50-55 of Chen). Therefore, it would have been obvious to combine Chen with Jinna to obtain the invention as specified in claim 1.

With regard to claim 2, Jinnai discloses wherein the objective block synthesis part comprises a coded data replacement part replacing the coded data of the objective block of the source image with the coded data of the objective block of the target image (refer col. 6, lines 45-51, broadly reads on added desired coded data).

With regard to claim 6, Jinnai discloses wherein the block comprises a tile having header information (refer Fig. 4, comprises different blocks of data which can read on header information).

With regard to claim 7, Jinnai discloses wherein the block comprises a precinct (refer to Fig. 4, E1-E4).

With regard to claim 8, Jinnai discloses wherein the block comprises a codeblock (refer Fig. 4, E1 code block)..

With regard to claim 10, Jinnai discloses further comprising an output part outputting synthesized coded data to an exterior thereof (refer col. 5, lines 52-64).

Claim 11 is similarly analyzed and rejected the same as claim 1. Except, the additional limitation "a photoelectric conversion element reading an image and

generating image data from the image; and a storage part maintaining coded data” (refer to Fig. 1, item 1 read unit and item 9 image memory unit).

Claim 12 is similarly analyzed and rejected the same as claim 11.

Claim 13 is similarly analyzed and rejected the same as claim 1. Except, the additional limitation “a printer engine forming an image o a paper” (refer Fig. 1, item 2).

Claim 14 is similarly analyzed and rejected the same as claim 2.

Claims 6-20 are similarly analyzed and rejected the same as claims 6-8.

Allowable Subject Matter

2. Claims 3-5, 9, 15-17 are 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Other Prior Art Cited

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. (5923775), (6442203), (5473384) and (6462768).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOSEF KASSA whose telephone number is (571) 272-7452. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on (571) 272-7453. The fax phone numbers for the organization where this application or proceeding is assigned is (571) 273-8300 for regular communication and (571) 273-8300 for after Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is (571) 272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PATENT EXAMINER

Yosef Kassa

04/11/2007.

A handwritten signature in black ink, appearing to read 'Y. Kassa', with a long horizontal flourish extending to the left.